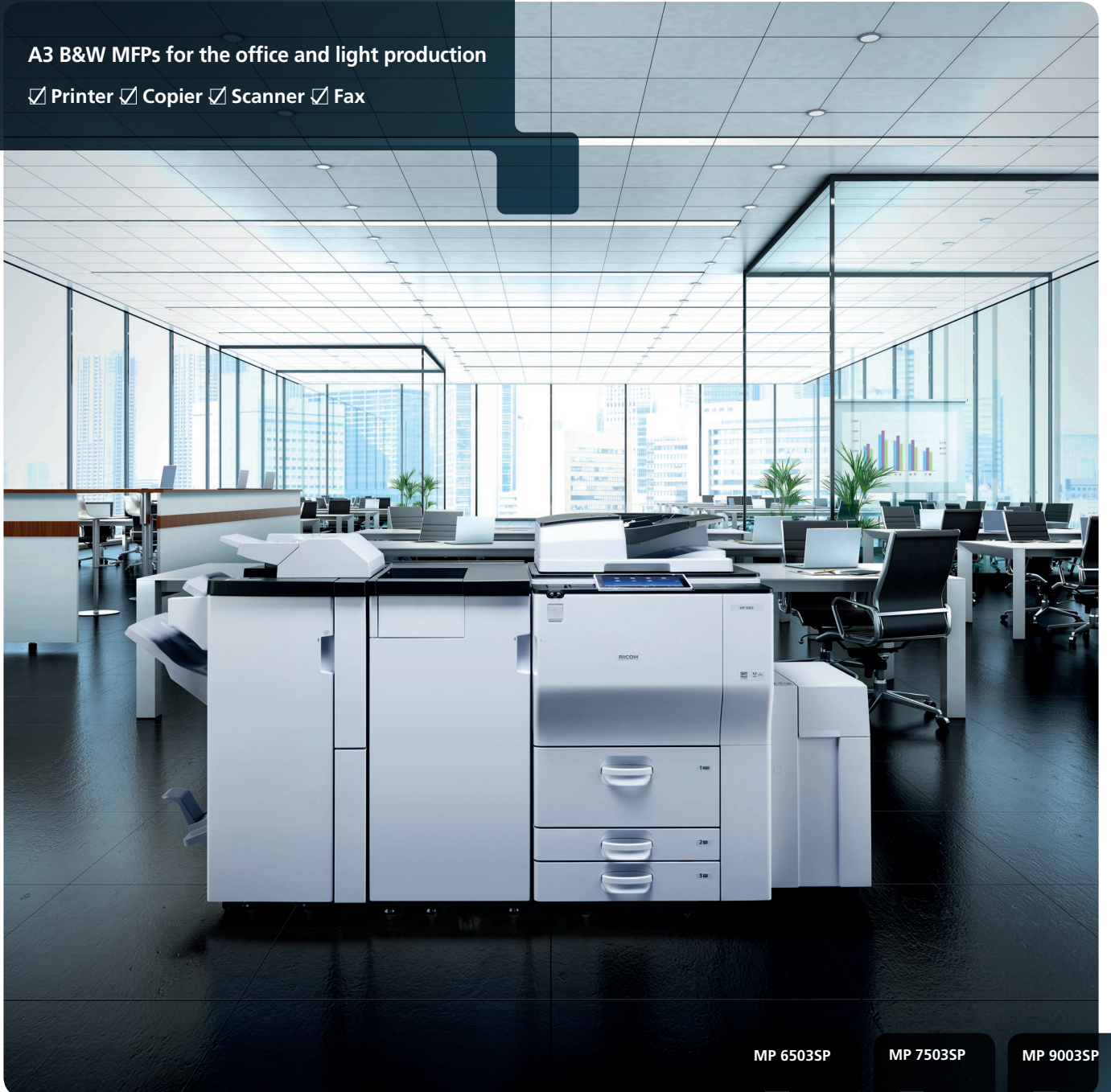


**MP 6503SP**  
**MP 7503SP**  
**MP 9003SP**

A3 B&W MFPs for the office and light production

✔ Printer ✔ Copier ✔ Scanner ✔ Fax



MP 6503SP

65 B/W  
ppm

MP 7503SP

75 B/W  
ppm

MP 9003SP

90 B/W  
ppm

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This sales guide is to be used by sales staff as a training aid. It is not a sales tool and should not be shared with customers. Whilst care has been taken to ensure the information provided in this guide is accurate, no liability will be accepted for errors or omissions.



## 1. Introduction

MP 6503SP, MP 7503SP and MP 9003SP effortlessly produce professional looking results. Ricoh's new heavy-duty MFPs are designed primarily for use as departmental devices in the general office. Target markets include businesses and organisations with high-volume workgroup and departmental document needs, particularly those with advanced workflow and/or security requirements. The new models are highly productive and yet very easy to use, which is important in the office sector where there are likely to be multiple users.

When configured with the multi-folding unit, booklet maker and other productive in-line finishing options, the new models can also be positioned as light production systems. Customers will include utilities, local government, financial institutions, pharmaceutical companies and legal firms that need to produce large volumes of customer-facing print communication in house. These documents may include invoices, compliance statements, policy documents and legal packs which, using the genuine IPDS print option, can be printed directly from mainframe computer systems.

The new MFPs replace MP 6002, MP 7502 and MP 9002. Ricoh's 10.1" Smart Operation Panel with its Intuitive User Interface and Smart Device Connector simplifies operation. The Smart Operation Panel lights up when a user approaches, allowing settings to be selected whilst the MFP recovers from sleep mode. Faster warm up and first print speeds also help to reduce print bottlenecks. The new MFPs are ready to print within 20 seconds (300 seconds for MP 9003SP) and the first page is delivered in just 3.2 seconds (2.9 seconds for MP 9003SP). Continuous single and double-sided output is produced at speeds of 65 ppm, 75 ppm or 90 ppm.

MP 6503SP, MP 7503SP and MP 9003SP offer print, copy and colour scan functionality as standard and are equipped with high-speed single-pass duplex feeders (SPDFs). Fax is an option. Using the SPDF, up to 150 originals can be fed in a single batch and scanned at a speed of 120 ipm (simplex) / 220 ipm (duplex). The standard paper capacity of 4,300 sheets can be increased to 8,300 sheets with the addition of a 4,000 sheet LCT and heavyweight media of up to 256 gsm can be fed from standard trays for duplex printing. And, as if that is not enough, the bypass tray supports 300 gsm media and speeds production by automatically detecting paper sizes.

Sharing the same intuitive interface and universal print driver as other Ricoh devices, the new MFPs can be installed as part of a uniform enterprise-wide solution. Ricoh's Smart Device Print and Scan app supports the needs of a mobile workforce by enabling users to print from and scan to their smartphones and tablets. MP 6503SP, MP 7503SP and MP 9003SP also support use of optional workflow solutions, such as Ricoh's StreamLine NX follow-you print utility. Suitable for use in secure environments, the new models ship with an integrated high capacity document server and utilise Ricoh's Data Overwrite Security and HDD Encryption to safeguard document security.

The launch of MP 6503SP, MP 7503SP and MP 9003SP will strengthen Ricoh's A3 black-and-white product range and protect Ricoh's market leading position in the high-end office segment. IDC forecasts 2.5% annual compound growth in worldwide demand for A3 black-and-white MFPs, with global sales expected to hit 4.4 million units in 2017. The high-end office segment is of particular importance to Ricoh because, whilst it represents less than 5% of unit sales, it contributes more than 15% of total document volume.

This guide explores the functionality of the new products in more detail, highlighting sales opportunities and identifying key selling points. It also provides side-by-side competitor comparisons.





## 2. Quick Overview

MP 6503SP, MP 7503SP and MP 9003SP are professional A3 black-and-white MFPs that deliver immaculate black-and-white output at pace. They are equipped with high-speed single-pass duplex feeders (SPDFs) and will scan in colour to a variety of destinations. Fax is an option. To simplify operation, they are equipped with Ricoh's Smart Operation Panel and offer support for integrated workflow solutions, such as StreamLine NX. Designed for use as departmental devices in the general office or as light production systems in print rooms, CRDs and copy shops, they can be tailored to operational need with the addition of professional finishing options.

### The main specifications are:

- A3 black-and-white MFPs
- Floor-standing console design
- Print, copy and colour scan enabled
- Fax and remote fax options
- 65, 75 and 90 ppm versions
- Single-pass document feed (SPDF)
- 4,300 / 8,300 sheet paper supply (standard/maximum)
- 10.1" Smart Operation Panel
- New Intuitive User Interface (smart apps)
- Ricoh GWNX controller
- 320 GB hard disk drive
- USB/SD card reader
- PCL 5e/6 and PDF Direct (standard) / PS3 and IPDS (optional)
- 1,200 x 1,200 dpi print resolution

### Options include:

- RT4040 4,000 sheet large capacity tray
- SR4080 3,000 sheet finisher (100 sheet stapler), or SR4120 3,000 sheet finisher (65 sheet stapler), or SR4130 2,000 sheet booklet finisher (65 sheet stapler), or Copy tray
- Punch units
- Joggers
- Cover sheet interposer (for SR4080)
- Cover sheet interposer (for SR4120/SR4130)
- 9-bin mailbox (for SR4120/SR4130)
- Multi folding unit (for SR4120/SR4130/SR4080)
- GBC StreamPunch Ultra (for SR4080)

A full list of options, order codes and configuration dependencies is provided in section 5. Configuration.



### Functionality, Feeds and Speeds - MP 6503SP, MP 7503SP and MP 9003SP

	MP 6503SP	MP 7503SP	MP9003SP
<b>Functionality</b>	A3 black and white printer, copier and colour scanner (standard) / fax (option)		
<b>Document Feed</b>	150 sheet SPDF (standard)		
<b>Duplex</b>	Automatic duplex (standard)		
<b>Paper Supply</b>	4,300 sheets (standard) [2 x 1,550 sheet tandem + 2 x 550 sheet trays + 100 sheet bypass] / 8,300 sheets (maximum) [with optional 4,000 sheet LCT]		
<b>Paper Output</b>	500 sheets (minimum) [with copy tray] / 3,500 sheets (maximum) [with 3,000 sheet finisher]		
<b>First Page</b>	3.2 seconds (A4)	3.2 seconds (A4)	2.9 seconds (A4)
<b>Continuous</b>	65 ppm (A4)	75 ppm (A4)	90 ppm (A4)
<b>Paper Size</b>	A6 (100 x 140 mm minimum) to A3 (305 x 432 mm maximum)		
<b>Paper Weights</b>	52 to 256 gsm (standard tray), 52 to 300 gsm (bypass), 64 to 256 gsm (duplex)		

### Volumes and Reliability - MP 6503SP, MP 7503SP and MP 9003SP

	MP 6503SP	MP 7503SP	MP9003SP
<b>Average Monthly Volume</b>	20,000 pages	29,000 pages	36,000 pages
<b>Maximum Monthly Volume</b>	150,000 pages		
<b>Duty Cycle</b>	300,000 pages		
<b>PM Cycle</b>	300,000 pages		
<b>MCBC</b>	120,000 pages		
<b>Target Life (Mainframe)</b>	9 million pages or five years, whichever comes first		
<b>Target Life (ARDF)</b>	2 million pages or five years, whichever comes first		

### Weights and Dimensions - MP 6503SP, MP 7503SP and MP 9003SP

<b>Mainframe [including SPDF]</b>	200 kg / 690 x 803 x 1,161 mm [w x d x h]
<b>LCIT RT4040</b>	20 kg / 314 [462 with LG unit] x 458 x 659 mm [w x d x h]
<b>Copy Tray Type 9002</b>	1 kg / 329 x 410 x 78 mm [w x d x h]
<b>Finisher SR4120</b>	38 kg / 657 x 730 x 980 mm [w x d x h]
<b>Booklet Finisher SR4130</b>	58 kg / 657 x 730 x 980 mm [w x d x h]
<b>Output Jogger Unit Type M25</b>	2 kg / 143 x 539 x 218 mm [w x d x h]
<b>Mail Box CS4010</b>	15 kg / 540 x 600 x 660 mm [w x d x h]
<b>Cover Interposer Tray CI4040</b>	12 kg / 500 x 600 x 600 mm [w x d x h]
<b>Multi-Folding Unit FD4000</b>	92 kg / 470 x 980 x 730 mm [w x d x h]
<b>Finisher SR4080</b>	68 kg / 800 x 730 x 980 mm [w x d x h]
<b>Output Jogger Unit Type 9002B</b>	2 kg / 125 x 450 x 100 mm [w x d x h]
<b>Cover Interposer Tray CI4030</b>	12 kg / 500 x 600 x 600 mm [w x d x h]
<b>GBC SP Ultra MP</b>	95 kg / 445 x 1,000 x 730 mm [w x d x h]

## 3. Sales Highlights

### Professional document systems

Designed for demanding applications in the general office and in light production environments, the new MFPs effortlessly produce professional results. High-resolution black-and-white output is delivered at speed and can be punched, folded and stapled in-line. Automating job build, single and double-sided originals can be batch scanned in full colour. And Ricoh's Smart Operation Panel with its Intuitive User Interface simplifies operation.

- High-end multifunctional solutions for the office and light production
- Immaculate 1,200 dpi black-and-white output delivered at speed
- Effortlessly produce professionally presented document sets
- In-line options automate folding, punching, stapling and booklet making
- Automating job build, single and double-sided originals can be batch scanned in colour



### Effortlessly productive

When productive performance is required, MP 6503SP, MP 7503SP and MP 9003SP deliver. A sensor activates the Smart Operation Panel, allowing the operator to select settings whilst the MFPs recover from sleep mode. The new MFPs are ready to print within 20 seconds (300 seconds for MP 9003SP) and the first page is delivered in just 3.2 seconds (2.9 seconds for MP 9003SP). Continuous single and double-sided output is produced at speeds of 65 ppm, 75 ppm or 90 ppm.

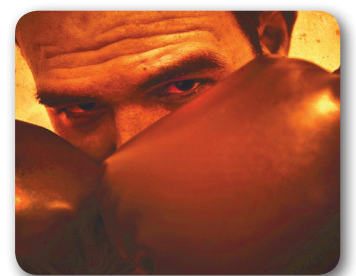
- New human detection sensor automatically wakes the Smart Operation Panel
- To save time, settings can be selected whilst the MFPs recover from sleep mode
- Ready to print within 20 seconds (MP 6503SP and MP 7503SP) / 300 seconds (MP 9003SP)
- First page delivered in just 3.2 seconds (MP 6503SP and MP 7503SP) / 2.9 seconds (MP 9003SP)
- Single and double-sided output is produced at speeds of 65 ppm, 75 ppm and 90 ppm



### Heavyweight champions

MP 6503SP, MP 7503SP and MP 9003SP offer best-in-class media support. To add impact to print communication, heavyweight media of up to 256 gsm can be fed from standard paper trays for duplex printing. And, if that is not enough, the bypass tray supports 300 gsm media and will automatically detect paper sizes. The standard paper capacity of 4,300 sheets can be increased to a capacious 8,300 sheets and, with auto tray switching, paper can be replenished on the fly.

- MP 6503SP, MP 7503SP and MP 9003SP offer best-in-class media support
- Heavyweight media of up to 256 gsm can be fed from standard trays for duplex printing
- The bypass tray will feed 300 gsm media and automatically detect paper sizes
- The paper capacity can be expanded to 8,300 sheets with the addition of a 4,000 sheet LCT
- Two machines can operate in tandem, doubling the production speed and capacity (requires optional copy connector)



## Tailored to operational need

Ricoh's SR4130 booklet maker is ideal for office applications as it will staple regular documents and produce neatly folded booklets. The cover interposer adds pre-printed covers and inserts to booklets, whilst the multi-folding unit, which supports six fold patterns, will fold invoices and statements ready for posting. In demanding production environments, the heavy duty SR4080 will staple up to 100 sheets without slowing down.

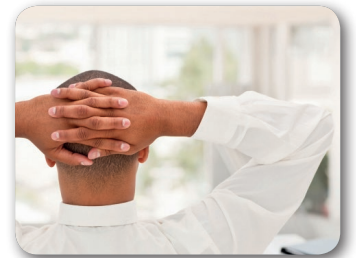
- The new MFPs can be tailored to office and production needs
- Ricoh's SR4130 booklet maker produces neatly folded booklets
- Cover interposer adds pre-printed covers to the live job stream
- Multi-folding unit folds invoices and statements ready for posting
- GBC StreamPunch Ultra supports professional production needs



## Incredibly easy to use

MP 6503SP, MP 7503SP and MP 9003SP are incredibly easy to use. Ricoh's point and print PCL and PS3 print drivers make it easy to select complex print settings. The 10.1" Smart Operation Panel lights up when the operator approaches the machine and is navigated, with pinch, swipe and touch gestures, much like a smart phone or tablet. And Ricoh's new Intuitive User Interface provides easy to use copy, scan, fax and print apps.

- MP 6503SP, MP 7503SP and MP 9003SP feature Ricoh's new Smart Operation Panel
- The Smart Operation Panel lights up ready for use as the operator approaches the machine
- Ricoh's new Intuitive User Interface includes easy to use copy, scan, fax and print apps
- Point and print PCL and PS3 print drivers make it easy to select complex print settings
- Settings, such as booklet printing, can be applied to documents printed from USB/SD card



## Uniform and controlled

Sharing the same intuitive interface and driver as other Ricoh devices, the new MFPs can be installed as part of a uniform enterprise-wide solution. MP 6503SP, MP 7503SP and MP 9003SP support use of optional workflow solutions, such as Ricoh's StreamLine NX follow-you print utility. And Ricoh's Smart Device Print and Scan app supports the needs of a mobile workforce by enabling users to print from and scan to their smartphones and tablets.

- Ricoh's Smart Operation Panel and universal print driver provide a uniform platform
- The new MFPs increase workforce mobility by interacting with smartphones and tablets
- Print from/scan to smartphones and tablets using Ricoh's Smart Device Print and Scan app
- Smart Device Connector app supports NFC, QR code and bluetooth
- Supports use of workflow solutions, such as Ricoh's StreamLine NX follow-you print utility



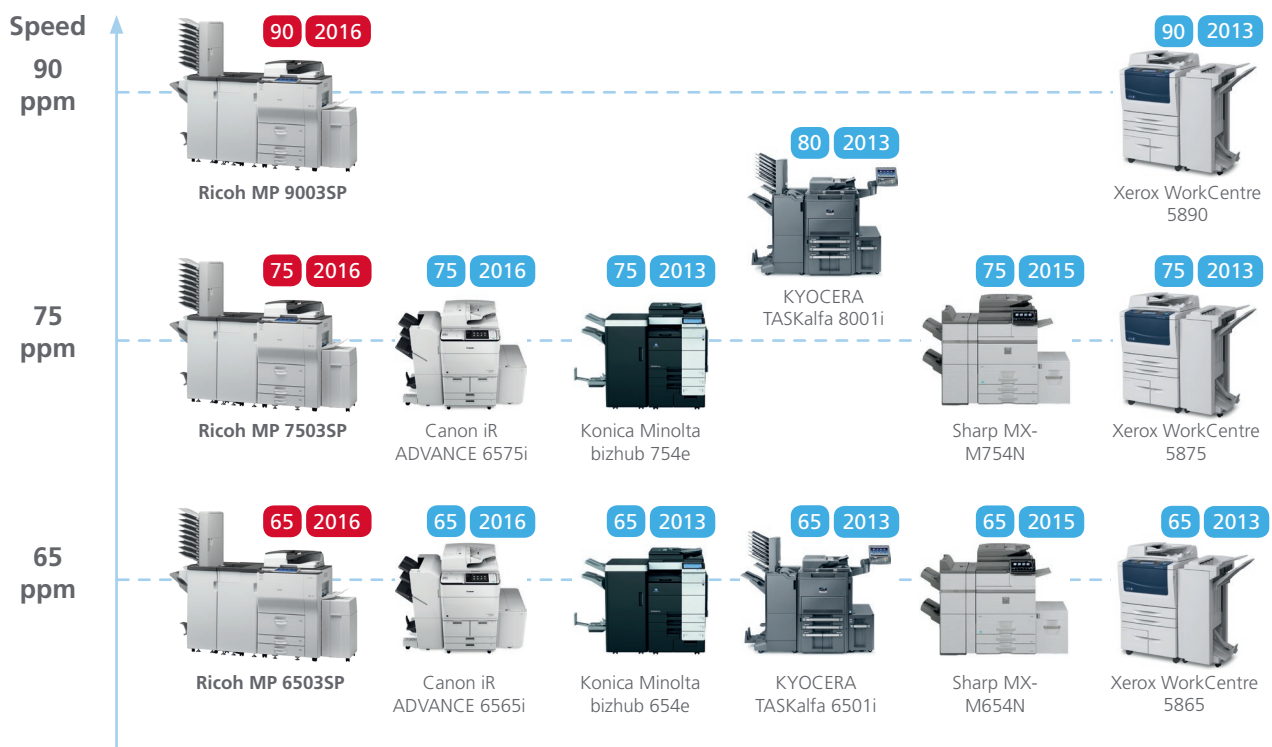
## 4. Product Positioning

- Heavy-duty A3 black-and-white MFPs
- Replacements for MP 6002, MP 7502 and MP 9002
- More productive, more versatile and easier to use
- Quickly and easily achieve professional looking results
- Departmental devices for use in the general office
- Light production systems for use in print rooms, CRDs and copy shops

MP 6503SP, MP 7503SP and MP 9003SP are heavy-duty A3 black-and-white MFPs that quickly and easily enable users to achieve professional looking results. They are designed for use as departmental devices in the general office and as light production systems in print rooms, CRDs and copy shops. They are positioned above MP 5054AZSP and MP 6054ZSP in Ricoh's office range and below Pro 8100S in Ricoh's cut-sheet production range. They supersede MP 6002, MP 7502 and MP 9002 and offer a number of significant advantages over their predecessors and over the systems marketed by other vendors.

They new models are more productive, more versatile and easier to use. A human detection sensor improves responsiveness; faster warm up and recovery times reduce print bottlenecks; and faster throughput (MP 6503SP) and scanning speeds increase productivity. Providing support for 256 gsm duplex printing from standard trays and auto paper size detection for the bypass feed, the new models improve versatility. And Ricoh's new 10.1" Smart Operation Panel with its Intuitive User Interface and Smart Device Connector simplify operation.

### Ricoh MP 6503SP/MP 7503SP/MP 9003SP Positioning vs Competitors



Please see section 11. Competition for detailed side-by-side comparisons

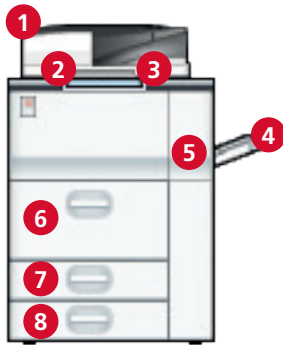


# 5. Configuration

## Standard Configuration

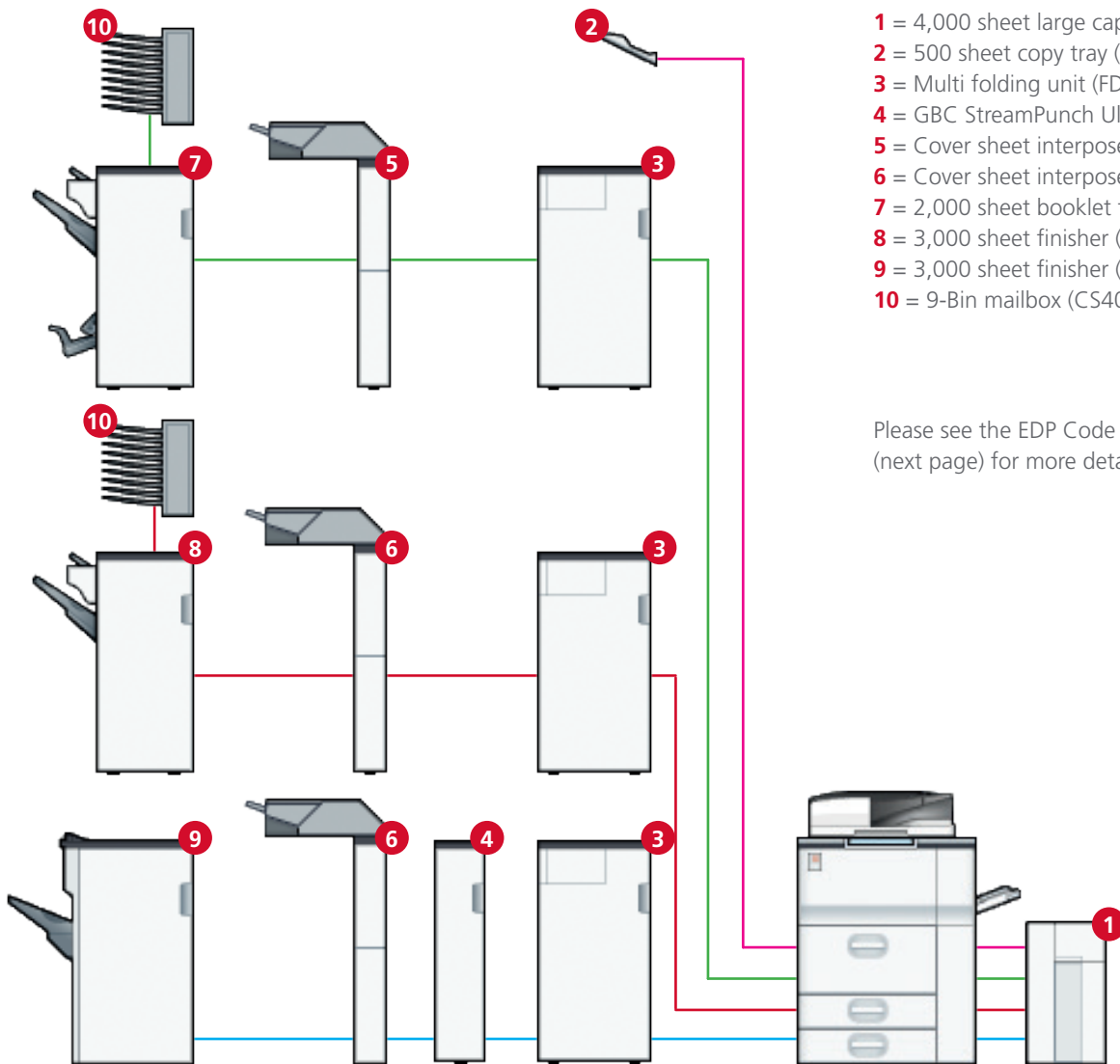
The new models are floor-standing MFPs. They provide print, copy and colour scan functionality as standard. Fax is an option. The devices are equipped with a 150 sheet single-pass document feed (SPDF), a 2 x 1,550 sheet tandem tray, 2 x 550 sheet paper trays, a 100 sheet bypass and a duplex. They have a 10.1" Smart Operation Panel and are supplied with a 320 GB hard drive and a VM card.

## Mainframe



- 1 = 150 sheet SPDF
- 2 = 10.1" Smart Operation Panel
- 3 = USB/SD card slot
- 4 = 100-sheet bypass tray
- 5 = Duplex [internal, not shown]
- 6 = 2 x 1,550-sheet tandem-style paper tray
- 7 = 550-sheet paper tray
- 8 = 550-sheet paper tray

## Peripheral Options



- 1 = 4,000 sheet large capacity tray (RT4040)
- 2 = 500 sheet copy tray (Type 9002)
- 3 = Multi folding unit (FD4000)
- 4 = GBC StreamPunch Ultra (GBC SP Ultra MP)
- 5 = Cover sheet interposer (CI4030)
- 6 = Cover sheet interposer (CI4040)
- 7 = 2,000 sheet booklet finisher (SR4130)
- 8 = 3,000 sheet finisher (SR4120)
- 9 = 3,000 sheet finisher (SR4080)
- 10 = 9-Bin mailbox (CS4010)

Please see the EDP Code and Dependency table (next page) for more detailed configuration rules.

## Functional Configuration

Functional Configuration - MP 6503SP, MP 7503SP and MP 9003SP			
	MP 6503SP	MP 7503SP	MP9003SP
<b>Functionality</b>	Print, copy and colour scan (standard) / fax (optional)		
<b>Interfaces</b>	Control Unit: Gigabit Ethernet, USB Host [2 ports] (standard) / Parallel, Wireless, 2nd Ethernet port [with USB Device Server] (options)		
	Operation Panel: Wireless, Bluetooth, SD Card Slot, USB Host [1 port, for keyboard], USB Host [1 port, for NFC card reader] MicroSD Card [for expansion of ROM] (standard)		
<b>Print Drivers</b>	PCL 5e/6, PDF Direct (standard) / PS3, IPDS, XPS (options)		
<b>Memory</b>	2GB RAM and 320 GB Hard Disk Drive		
<b>Security</b>	Data Overwrite Security [not Common Criteria certified until the mainframe is certified] (standard) / NFC Card Reader, Data Overwrite Security (for customers requiring Common Criteria certification before the mainframe is certified), Copy Data Security, Enhanced Security HDD, Counter Interface (optional)		
<b>Other</b>	VM card (standard) / Fax Connection Unit, SD Card for Fonts, Unicode Font Package, OCR Unit, File Format Converter, Copy Connector, External Keyboard (options)		

More peripheral and functional upgrade options are listed below (see EDP Codes and Dependencies)

## EDP Codes and Dependencies

EDP Codes and Dependencies - MP 6503SP, MP 7503SP and MP 9003SP					
Category	Item	Product Name	EDP Code	Must Install	Cannot Install
Mainframe	65 ppm MFP	MP 6503SP	417615	-	-
	75 ppm MFP	MP 7503SP	417616	-	-
	90 ppm MFP	MP 9003SP	417617	-	-
Branding	NRG Branding Kit	Branding Kit 4	986276	-	-
Paper Feed	Large Capacity Tray	LCIT RT4040	417635	-	-
	LG Paper Tray	8 1/2 "x14" Paper size Tray Type 9002	416232	LCIT RT4040	A3 Paper Tray
	A3 Paper Tray	A3/11 "X17" Tray Type 9001	415017	LCIT RT4040	LG Paper Tray
	Tab Sheet Unit	Tab Sheet Holder Type 9002	416230	-	-
Finishing	Copy Tray	Copy Tray Type 9002	416229	-	Finisher SR4120, Booklet Finisher SR4130, Finisher SR4080, Mail Box CS4010, Cover Interposer Tray CI4040, Cover Interposer Tray CI4030, Multi-Folding Unit FD4000
	3000 Sheets Finisher (65 sheet stapler)	Finisher SR4120	417628	-	Finisher SR4080, Booklet Finisher SR4130, Copy Tray Type 9002, Cover Interposer Tray CI4030, Multi-Folding Unit FD4000

2000 Sheets Booklet Finisher (65 sheet stapler)	Booklet Finisher SR4130	417629	-	Finisher SR4120, Finisher SR4080, Cover Interposer Tray CI4030, Copy Tray Type 9002
Jogger for SR4120/SR4130	Output Jogger Unit Type M25	417630	Finisher SR4120 or Booklet Finisher SR4130	Finisher SR4080
EU Punch for SR4120/SR4130	Punch Unit PU3060 EU	416613	Finisher SR4120 or Booklet Finisher SR4130	Punch Unit PI3060 SC
SC Punch for SR4120/SR4130	Punch Unit PU3060 SC	416614	Finisher SR4120 or Booklet Finisher SR4130	Punch Unit PU3060 EU
Mail Box for SR4120/SR4130	Mail Box CS4010	416633	Finisher SR4120 or Booklet Finisher SR4130	Finisher SR4080, Cover Interposer Tray CI4040, Cover Interposer Tray CI4030, Copy Tray Type 9002
Cover Interposer for SR4120/SR4130	Cover Interposer Tray CI4040	417631	Finisher SR4120 or Booklet Finisher SR4130	Mail Box CS4010, Copy Tray Type 9002, Finisher SR4080, Cover Interposer Tray CI4030
Multi-Folding Unit for SR4120/SR4130	Multi-Folding Unit FD4000	415909	Finisher SR4120 or Booklet Finisher SR4130 or Finisher SR4080	Copy Tray Type 9002
3000 Sheets Finisher (100 sheet stapler)	Finisher SR4080	415900	-	Finisher SR4120, Booklet Finisher SR4130, Copy Tray Type 9002, Mail Box CS4010, Cover Interposer Tray CI4040
Jogger for SR4080	Output Jogger Unit Type 9002B	416231	Finisher SR4080	Finisher SR4120, Booklet Finisher SR4130, Copy Tray Type 9002, Mail Box CS4010, Cover Interposer Tray CI4040
EU Punch for SR4080	Punch Unit Type 1075 EU 2/4	415283	Finisher SR4080	Punch Unit Type 850 S4
SC Punch for SR4080	Punch Unit Type 850 S4	415284	Finisher SR4080	Punch Unit Type 1075 EU 2/4
Cover Interposer for SR4080	Cover Interposer Tray CI4030	417627	Finisher SR4080	Finisher SR4120, Booklet Finisher SR4130, Copy Tray Type 9002, Mail Box CS4010, Cover Interposer Tray CI4040
GBC StreamPunch	GBC SP Ultra MP	409044	Finisher SR4080	Finisher SR4120, Booklet Finisher SR4130, Copy Tray Type 9002, Mail Box CS4010, Cover Interposer Tray CI4040

	DIE RICOH C4 47H OVAL	DIE RICOH C4 47H OVAL	404771	GBC SP Ultra MP	-
	DIE RICOH PB 20H-21H	DIE RICOH PB 20H-21H	404767	GBC SP Ultra MP	
	DIE RICOH eWire RND	DIE RICOH eWire RND	404772	GBC SP Ultra MP	-
	DIE RICOH VB A4	DIE RICOH VB A4	404766	GBC SP Ultra MP	-
	DIE RICOH 4H SCAN	DIE RICOH 4H SCAN	404764	GBC SP Ultra MP	-
	DIE RICOH 2H-4H 6.5MM	DIE RICOH 2H-4H 6.5MM	404763	GBC SP Ultra MP	-
	DIE RICOH 2H-4H 8MM	DIE RICOH 2H-4H 8MM	404762	GBC SP Ultra MP	-
	DIE RICOH W3 34H RND	DIE RICOH W3 34H RND	404759	GBC SP Ultra MP	-
	DIE RICOH W2 23H RND	DIE RICOH W2 23H RND	404758	GBC SP Ultra MP	-
	DIE RICOH C4 Coil 43H-47H	DIE RICOH C4 Coil 43H-47H	404757	GBC SP Ultra MP	-
	DIE RICOH eWire SQ	DIE RICOH eWire SQ	404770	GBC SP Ultra MP	-
	DIE RICOH W3 34H SQ	DIE RICOH W3 34H SQ	404769	GBC SP Ultra MP	-
	DIE RICOH W2 23H SQ	DIE RICOH W2 23H SQ	404768	GBC SP Ultra MP	-
Fax	Fax Option	Fax Option Type M25	417637	-	-
	G3 Unit	G3 Interface Unit Type M25	417642	Fax Option	-
	SAF Memory	FAX Memory Unit Type M25 64MB	417644	Fax Option	-
Print	PostScript3	PostScript3 Unit Type M25	417652	-	-
	IPDS	IPDS Unit Type M25	417655	-	-
	XPS	XPS Direct Print Option Type M25	417664	-	-
	Unicode Font Package	Unicode Font Package for SAP(R) 1 License	413009	-	-
Network	Wireless LAN Interface	IEEE 802.11a/g/n Interface Unit Type M19	417493	-	IEEE 1284, File Format Converter, Extended USB
	IEEE1284 Interface Board	IEEE 1284 Interface Board Type M19	417596	-	Wireless LAN, File Format Converter, Extended USB
	Remote fax	Fax Connection Unit Type M25	417646	A fax must be installed on another Ricoh MFP on the same network	Fax Option
	NIC 2 port	USB Device Server Option Type M19	417568	-	Wireless LAN, IEEE1284, File Format Converter, Extended USB
	Extended USB	Extended USB Board Type M19	417566	-	Wireless LAN, File Format Converter, IEEE 1284
Security	DataOverwrite Security Unit	DataOverwrite Security Unit Type M19	417499	Option for customers requiring Common Criteria certification before the mainframe is certified	Replaces standard HDD and cannot be installed with Enhanced Security HDD



	FIPS Certified HDD	Enhanced Security HDD Option Type M10	417006	-	Replaces standard HDD and cannot be installed with Common Criteria certified DataOverwrite Security unit
	Key Counter Bracket	Key Counter Bracket Type 1027	412537	-	-
	Optional Counter Interface	Optional Counter Interface Unit Type A	413012	-	-
	Card Reader Bracket	Key Card Bracket	411203	-	External Keyboard Bracket
	Smart Card Reader	Smart Card Reader Built-in Unit Type M25	417672	-	External Keyboard Bracket
	NFC Card Reader	NFC Card Reader Type M25	417671	-	-
	Drawer lock	Paper Clamp RPC-7	982362	-	-
Other	OCR	OCR Unit Type M13	417429	-	-
	File Format Converter	File Format Converter Type M19	417508	-	NIC 2 port, Wirelss LAN interface, IEEE1284, Extended USB
	Copy Connector	Copy Connector Type M25	417657	-	-
	External Keyboard Bracket	External Keyboard Bracket Type M25	417696	-	Smart Card Reader Built-in Unit
	Accessibility Handle	ADF Handle Type C	416213	-	-

#### OI Kit EDP Codes - MP 6503SP, MP 7503SP and MP 9003SP

Language	Description	EDP Code	Language	Description	EDP Code
Catalan	OI9003RU	912169	Hungarian	OI9003HN	912163
Czech	OI9003CZ	912162	Italian	OI9003IT	912158
Danish	OI9003DN	912168	Norwegian	OI9003NR	912164
Dutch	OI9003NL	912159	Polish	OI9003PL	912166
English	OI9003EN	912046	Portuguese	OI9003PR	912165
Finnish	OI9003FI	912167	Russian	OI9003TU	912171
French	OI9003FR	912157	Spanish	OI9003SP	912160
German	OI9003GE	912156	Swedish	OI9003SW	912161
Greek	OI9003GR	912172	Turkish	OI9003CA	912170

#### Consumable EDP Codes - MP 6503SP, MP 7503SP and MP 9003SP

Category	Item	Product Name	EDP Code
Toner	Black toner cartridge	Toner MP 9002	842116

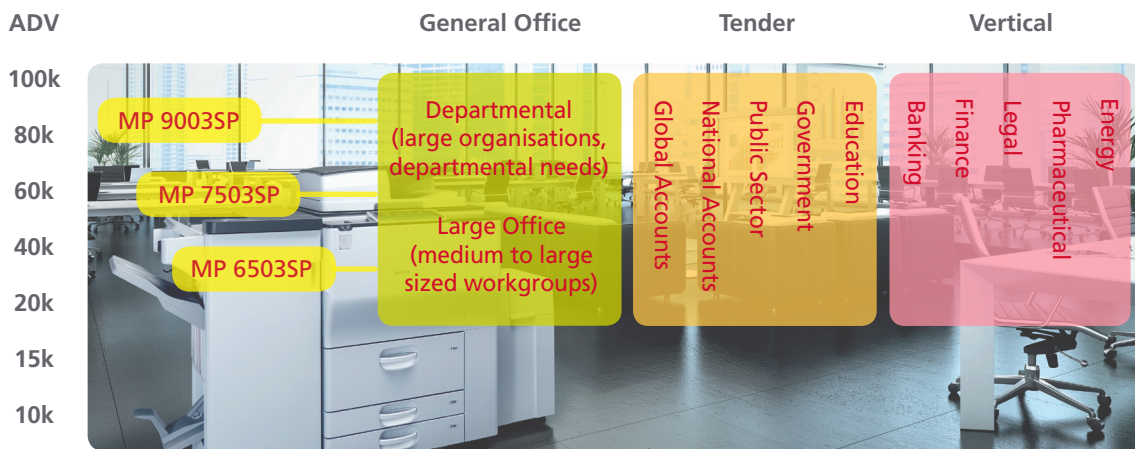
## 5. Target Markets

The launch of MP 6503SP, MP 7503SP and MP 9003SP will strengthen Ricoh's A3 black-and-white product range and protect Ricoh's market leading position in the high-end office segment. IDC forecast 2.5% annual compound growth in worldwide demand for A3 black-and-white MFPs, with global sales expected to hit 4.4 million units in 2017. The high-end office segment is of particular importance to Ricoh because, whilst representing less than 5% of unit sales, it contributes more than 15% of total document volume.

MP 6503SP, MP 7503SP and MP 9003SP are heavy-duty A3 black-and-white MFPs and are designed primarily for use as departmental devices in the general office. Target markets will include businesses and organisations with high-volume workgroup and departmental document needs, particularly those with advanced workflow and/or security requirements. The new models are highly productive and yet very easy to use, which is important in the office sector where there are multiple users.

When configured with the multi-folding unit, bookmaker and other productive in-line finishing options, the new models can also be positioned as light production systems. Customers will include utilities, local government, financial institutions, pharmaceutical companies and legal firms that need to produce large volumes of personalised customer-facing print communication in house. These documents may include invoices, compliance statements, policy documents and legal packs.

### Target Markets - MP 6503SP/MP 7503SP/MP 9003SP



High-level business drivers will include:

Business Driver	Ricoh Advantage	Customer Benefit
Minimise downtime	Fast 20 second recovery	Quickly ready for use
Improve productivity	First page ready in 3.2/2.9 sec	Urgent work ready sooner
Increase capacity	65, 75 or 90 ppm throughput	Handle large document volumes
Add impact to print	300 gsm paper support	Print onto premium stock
Automate finishing	Optional finishing systems	Meets operational needs
Enhance user experience	Sensor on smart operation panel	Instantly ready for use
Simplify operation	Intuitive User Interface	Smart apps simplify use
Support mobile workforce	Smart Device Print and Scan app	Print and scan from smartphones
Safeguard security	Support for StreamLine NX	Effective governance
Reduce overheads	High capacity, low page cost	Cuts print expenditure



## 7. Smart Operation Panel

Ricoh's Smart Operation Panel is a stylish and intuitive alternative to conventional user interfaces. Navigated like a smartphone or a tablet, Ricoh's Smart Operation Panel simplifies operation, expands functionality and customises the user experience. It even includes a web browser that allows users to view and print web content from the control panel of MFP. The panel is also equipped as standard with a WiFi card, which makes direct connection between mobile devices and panel possible, simplifying accessibility and information exchange.

Individual users can customise the interface to their own requirements. They can change the wallpaper, drag and drop icon-based short cuts onto the home screen, download and save apps, customise machine sounds (key, beeper and alert sounds can be set individually), quickly access one-touch settings and view intelligent widgets. Any user not comfortable with the Smart Operation Panel can quickly toggle to Ricoh's conventional menu-based interface.

Users may also download more workflow applications from Ricoh's Application Site. The site is accessed via the Application Site icon on the Smart Operation Panel. Users visiting the site can view the available workflow applications and download them directly to the MFP. Core applications, which include ID Card Copy and Conference Concierge, are supplemented with locally/regionally developed applications, such as Smart Send and Swipe Authentication. Firmware updates can also be downloaded from the site. Accessing Ricoh's Application Site via the Smart Operation Panel makes it easy for users to configure their MFPs and trial the latest workflow applications.

The Smart Operation Panel supports Quick Authentication. The simple 'swipe-and-go' card-based authentication system is fast and secure, eliminating the need for users to remember additional login names and passwords. Ricoh's native authentication software is pre-installed and only requires the purchase of an optional NRC Reader / Writer. By controlling access to MFP functions, it prevents sensitive documents from being viewed, copied or sent by unauthorised users.

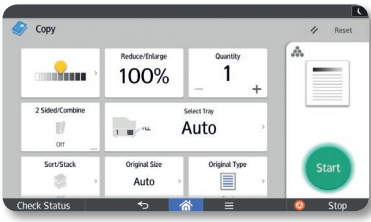
## Standard Features, Extraordinary Experience

The standard features of the Smart Operation Panel provide an extraordinary user experience. It is easy to navigate the interface, the screen can be personalised, widgets provide essential information, icons are organised in folders, web pages can be printed and quick settings simplify operation.



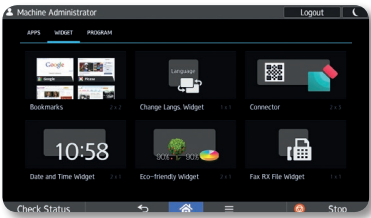
### Intuitive Navigation

The MFP can be operated with touch gestures, just like a smart device. With a flick of the finger, the user can navigate from one screen to another. The familiar drag-and-drop gesture can be used to rearrange icons on the home screen. And, by pinching the screen, the user can zoom in and out.



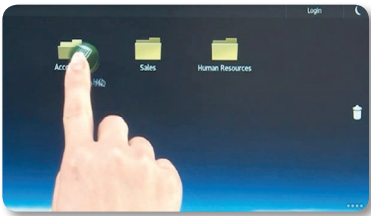
## Intuitive User Interface

Ricoh's new Intuitive User Interface for copy, scan, fax and print simplify operation. Using 'flick' and 'pinch-in/out' gestures, it is easy to check and change copy, scan and fax settings. A grid-based layout with large icons and fonts make the apps easy to use and provides a smooth transition from Ricoh's 'classic' user interface.



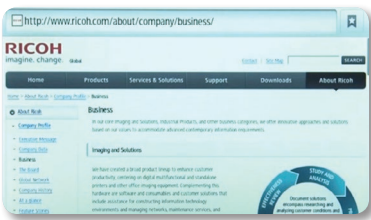
## Instant Information

Widgets can be added to the home screen, making information available at a glance. They include widgets that show the date and time, display environmental metrics and the amount of toner remaining, notify users of incoming fax messages and enable the user to switch languages.



## Home Screen Folders

Folders can be created on the home screen. This allows icons to be organised logically and located quickly. For repetitive tasks requiring multiple settings, storing all the required program icons in the same folder can save a lot of time.



## Integrated Web Browser

A standard feature of the Smart Operation Panel, the Web Browser provides direct access to the web. It can be used to access and view web pages, and enables users to print HTML and PDF content, such as maps and tickets, directly from the MFP.



## Personalised Wallpaper

Customising the interface increases the user's affinity with the MFP. The wallpaper can be changed at will. Users can switch between ready-made wallpaper options or customise the background by loading their own images from an SD Card.



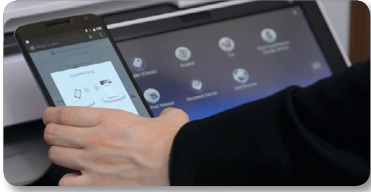
## Application Site

The Application Site icon on the Smart Operation Panel provides easy access to additional workflow applications and firmware updates. Accessing the site, users can configure their MFPs and trial the latest workflow applications. Some of the core applications are listed below.



## Intelligent Workflow Applications

The standard features can be expanded by downloading intelligent workflow applications developed by Ricoh and its partners. These applications include Smart Device Connector, Remote Assistance and Pattern Lock.

Workflow Applications - MP 6503SP, MP 7503SP and MP 9003SP		
Feature	Advantage	Benefit
Smart Device Connector 	Ricoh Smart Device Connector app enables users to connect smart phones and tablets to the MFP quickly and easily using NFC, QR code and Bluetooth. Once connected, their smart devices can be used as an interface to print and scan documents and send fax messages (requires fax enabled MFP).	Improves access to technology, simplifies information exchange and helps to facilitate mobile working.
ID Card Copy	The ID Card Copy app automates ID card copying, printing the front and back of an ID card onto one side of a sheet of paper.	It is designed to help staff working on the registration desk in hotels, banks, hospitals and car rental agencies and will save them time and reduce errors.
Scan to Folder Helper	This application provides users with a setup wizard for registering the destination of documents that have been scanned using Scan to SMB.	Automates the scanning process and simplifies operation.
Easy Book Scan <b>*** NEW ***</b>	New app erases shadows, enabling books and loose sheet originals to be scanned with the ARDF/SPDF open.	Speeds job build and improves image quality.
Remote Assistance <b>*** NEW ***</b>	Responding to a remote assistance request, the help desk administrator can view the Smart Operation Panel of an MFP and support the user by annotating the screen, remotely changing settings or sending a URL that enables the user to view and print web-based support information.	Reduces downtime and simplifies support.

Sales people should check with their local marketing department for an up to date list of workflow applications.



## 9. Key Features

Mainframe - MP 6503SP, MP 7503SP and MP 9003SP		
Feature	Advantage	Benefit
I-Style design	The new MFPs follow Ricoh's I-Style design concept. Operational areas, such as the touchscreen display and delivery area, are emphasised in black.	Smart appearance accentuates compact design and looks professional in a modern work environment.
Uniform platform	They share a similar appearance and the same operating system and user interface as other Ricoh MFPs.	Can be sold as part of a uniform enterprise wide solution. Users are instantly familiar with the intuitive operating system.
Multifunctional	The new MFPs offer 4-in-1 functionality. The machines are print, copy and scan enabled. Fax is an option.	Replace personal printers and other desktop devices, saving space and money.
Modular options	A variety of modular options enable the MFPs to be tailored to specific operational requirements.	Professional finishing options, which include a cover interposer, a stream punch, a multi folding unit and a booklet finisher, enable the MFPs to be used in a production environment.

Operation - MP 6503SP, MP 7503SP and MP 9003SP		
Feature	Advantage	Benefit
Next Generation (GWNX) controller	Ricoh's GWNX controller, with its superfast Intel® Atom Processor BayTrail-I 1.75GHz processor, manages the workflow.	Common interface automates workflow, establishes governance and enforces security.
10.1" touchscreen	Large, high visibility touchscreen panel - there are no hard buttons - can be tilted for easy operation.	Easily accessible, no matter where the MFP is located and instantly familiar to users of other Ricoh devices.
Smart Operation Panel	The touchscreen is navigated with touch gestures, much like a smart phone or tablet.	Simplifies operation, improving the user experience.




Intuitive User Interface	Intuitive applications, navigated using flick and pinch-in/out gestures, make it easy to select copy, scan and fax settings.	Simplifies operation and provides a smooth transition from Ricoh's 'classic' user interface.
Customisable wall paper	An image, such as a corporate logo, can be displayed on the operational panel.	Use of a company logo improves the user's affinity with the machine.
Web Browser  <b>*** STANDARD ***</b>	Enables users to navigate and print from the Web, as well as access and print documents stored in cloud-based accounts.	Saves time and improves access to information.

### Productivity - MP 6503SP, MP 7503SP and MP 9003SP

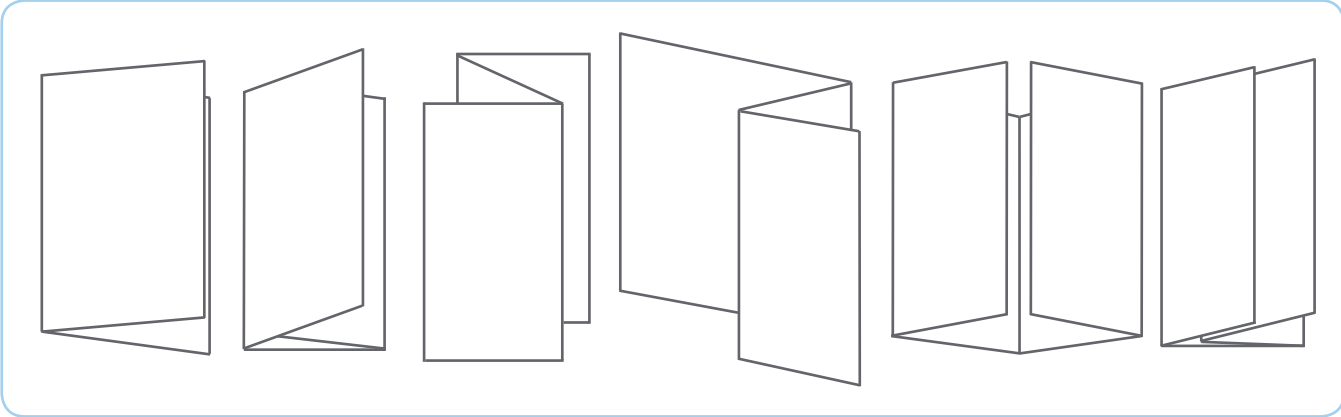
Feature	Advantage	Benefit
Human detection sensor  <b>*** NEW ***</b>	Senses when a user is in front of the machine and wakes the operation panel from sleep mode.	With the operation panel instantly ready (1 second recovery time), the operator can start selecting applications and settings sooner.
Quick warm up	Ready to print within 20 seconds (MP 6403SP and MP 7503SP).	Saves time and improves productivity.
Fast first page	MP 6503SP and MP 7503SP produce their first page in 3.2 seconds and MP 9003SP, in just 2.9 seconds.	Eliminates bottlenecks as one-off prints and copies are delivered at speed.
65 ppm print engine (MP 6503SP)  <b>*** ENHANCED ***</b>	MP 6503SP prints at a speed of 65 ppm.	MP 6503SP is 5 ppm faster (8% more productive) than its predecessor, the MP 6002.
75 ppm and 90 ppm print engines	MP 7503SP prints at a speed of 75 ppm and MP 9003SP, at a speed of 90 ppm.	Multi page documents are produced quickly, supporting workgroup and production needs.
High speed duplex	The new MFPs are equipped with high speed duplexes and maintain full productivity when printing double sided.	Improves productivity and professionalism.

### Paper Handling - MP 6503SP, MP 7503SP and MP 9003SP

Feature	Advantage	Benefit
Large paper capacity  	The standard paper capacity of 4,300 sheets (2 x 1,550 tandem tray + 2 x 550 sheet trays + 100 sheet bypass) can be expanded to 8,300 sheets (maximum) with the addition of a 4,000 sheet LCT.	Hold different paper formats and stock online and reduce downtime related to paper replenishment.
100 sheet multi-bypass	The standard multi bypass tray will hold 100 sheets of paper.	Quickly feed non-standard media such as letterhead paper, labels and envelopes.
Auto paper size detection on bypass	The new MFPs recognise the size and format of paper fed via the bypass feed.	Images can be automatically resized to fit without the user needing to manually input the paper size.

Auto tray switching	The MFPs can automatically switch from one tray to another.	Replenish paper without interrupting the print process.
A3 print engine	The new MFPs handle paper formats from A6 to A3 and paper sizes from 100 x 140 mm to 305 x 432 mm.	Single device can meet A5, A4 and A3 print requirements.
Thick paper support	The regular paper trays support paper weights of 52 to 256 gsm and the bypass supports paper weights of 52 to 300 gsm.	Print reliably onto letterhead paper, bond stock and other heavyweight media.

### Finishing Options - MP 6503SP, MP 7503SP and MP 9003SP

Feature	Advantage	Benefit
Finisher SR4080	This finisher has a 3,000 sheet shift tray and will staple up to 100 sheets. A 2/4 hole punch and a jogger are offered as options.	This is a heavy duty finisher which maintains 100% productivity when punching and stapling and provides capacity for long periods of unsupervised operation.
Finisher SR4120	This finisher has a 3,000 shift tray and will staple up to 50 sheets. A 2/4 hole punch and a jogger are offered as options.	A lower cost alternative to SR4080, targeted at applications in the general office.
Booklet Finisher SR4130	This finisher has a 2,000 shift tray and will staple up to 50 sheets, including Z-fold documents produced using the optional multi folding unit. It can also fold and saddle stitch up to 15 sheets of paper to make 60 page booklets. A 2/4 hole punch and a jogger are offered as options.	Doubling as a regular staple finisher and as a booklet maker, it enables office users to produce neatly folded booklets.
Mail Box CS4010	This is a 9-bin mailbox that can be attached to the SR4120 finisher or SR4130 booklet maker. Each tray will hold up to 100 sheets.	Ideal for the office environment, it allows users to route finished print jobs to a specific mailbox.
Multi-Folding Unit FD4000	The multi-folding units supports 6 fold patterns: 2-fold, 3-fold in and 3-fold out (1 to 3 sheets), Z-fold, gate-fold and double parallel-fold (single sheet). The fold position can be adjusted via the operation panel.	Saves time by automating the folding process. The 'letter-out' fold will, for example, enable customers to print and fold letters, invoices and statements ready for insertion into DL sized window envelopes.
		
Cover Interposer Tray CI4030/CI4040	The interposer allows users to insert pre-printed sheets into live job streams for collation and finishing. It has a 200 sheet capacity and will feed material of up to 216gsm.	Improves impact and professionalism as it allows pre-printed content, such as colour covers and inserts, to be added to black-and-white document sets prior to finishing.



GBC StreamPunch Ultra MP	Full-speed in-line system punches print output in a variety of professional formats including 12-hole Velobind, 20/21-hole Comb Bind and 23/34-hole Wire Bind. New features include double punch setting for increased productivity and expanded media sizes.	Eliminates need for manual post-production drilling.
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### Network - MP 6503SP, MP 7503SP and MP 9003SP

Feature	Advantage	Benefit
Network ready	The new MFPs are equipped with a gigabit ethernet interface and there are parallel, wireless and bluetooth interface options.	Workgroup users can share the same device, improving access.
USB device server <b>*** NEW OPTION ***</b>	The USB device server (option) provides a secondary network interface port which allows the MFPs to connect simultaneously to two print networks.	Support customers, such as banks, hospitals and schools, who run separate open and closed networks.
Bluetooth print option (Mainframe)	A USB bluetooth print interface is offered as an option.	Allows users to print from bluetooth enabled devices.
Bluetooth (Smart Operation Panel)	The Smart Operation Panel includes bluetooth connectivity as standard.	Smart Operation Panel uses bluetooth 4.0 to connect with external devices.

### Printing - MP 6503SP, MP 7503SP and MP 9003SP


Feature	Advantage	Benefit
1,200 x 1,200 dpi resolution	The new MFPs produce immaculate 1,200 x 1,200 dpi resolution print output.	Improves the appearance of business communication.
Point and print icons	The standard PCL print driver and optional PS3 print driver have graphic icons which allow single click selection of complex settings.	Simplifies the print process, saving time.
PostScript 3 (option)	A genuine PostScript driver is available as an option.	Print PostScript, PDF and XPS files accurately.
PDF direct print	PDF documents can be printed directly to the PostScript enabled printer. The files are processed by the printer rather than the PC.	Releases computer resource and reduces network traffic.
XPS direct print (option)	MP 6503SP, MP 7503SP and MP 9003SP also support XPS direct print. XPS is an XML based document format similar to PDF, promoted by Microsoft.	Compatible with newly emerging print format.
IPDS print (option)	The genuine IPDS option enables fast, error-free bi-directional communication with mainframe (host) computer systems.	Improve ROI by printing transactional data such as invoices and statements.
Mail to Print (fax capability required)	Send an email with attached data directly to the MFP for printing.	Improves access and simplifies print process.
Smart Device Print and Scan	Free Ricoh app enables documents to be printed from and scanned to smartphones and tablets.	Improves access and mobility.

Scheduled print	Users can specify a time at which documents are to be printed.	Reduces bottlenecks. Time-consuming jobs such as invoice runs can be scheduled to run overnight or at the weekend.
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### Portable Media - MP 6503SP, MP 7503SP and MP 9003SP

Feature	Advantage	Benefit
USB/SD card reader	There is a USB/SD card reader located to the side of the control panel.	Improves access by enabling walk up users to print from / scan to flash memory.
Media print settings	Print settings such as duplex and booklet printing can be applied to documents held on the USB/SD card.	Improves functionality enhances the quality of printed documents.
Media print preview	Documents held on the USB/SD card can be previewed at the control panel. The preview is displayed with selected print settings applied.	Reduces waste by ensuring that the right documents are selected and printed in the format required.
Multiple file selection	It is possible to select and print multiple JPEG, TIFF or PDF files held in the same folder of a USB/SD card.	Speeds production with the user able to print multiple files in a single operation.

### Scanning - MP 6503SP, MP 7503SP and MP 9003SP

Feature	Advantage	Benefit
Single pass duplex feed (SPDF) 	The new MFPs are equipped with a high capacity SPDF (single pass duplex feed). Up to 150 documents can be fed in a single batch. The SPDF scans both sides in single pass. Colour and B&W documents are scanned at a speed of 120 ipm (simplex) and 220 ipm (duplex).	Speeds scanning process. Particularly useful in applications where large batches of documents are regularly scanned or copied.
Flatbed scanner	Books and photographs can be scanned directly from the platen glass.	It is easy to scan bound or mounted originals such as books and photographs.
Book scanning app <b>*** SIMPLIFIES MAKEUP ***</b>	New app erases shadows, enabling books and loose sheet originals to be scanned with the SPDF open.	Speeds job build and improves image quality.
Colour scanning	The new MFPs scan documents in full colour at a resolution of up to 1,200 dpi.	Share information instantly via email and save documents to document server or to a centralised electronic record.
Document server	The 320 GB hard drive acts as document server and can be used to archive up to 3000 documents or 9000 pages.	Reduce costs by printing regularly used documents on demand instead of holding shelf stock.
Distributed scan management (DSM)	The administrator can pre-set scanning conditions and destinations for users.	Simplifies the scanning process.
Searchable PDF (requires OCR option)	The document text is recognised and saved along with the original document.	Improves access to information as documents can be searched for using keywords, and text within the document can be edited.

Encrypted PDF transmission	PDF documents scanned to e-mail, saved to the document server or to another network location can be encrypted and password protected.	Protects confidential information.
PDF/A	PDF/A is an ISO standard for the long-term archiving of electronic documents. The format locks the document to maintain its originality and records within the document a 'Device Certificate'.	Document format complies with government and industry regulatory standards.
Enhanced encryption level	The user can select secure encryption algorithms. Supported algorithms include AES256bit (used by the US government, NESSIE in the EU and CRYPTREC in Japan) and SHA-2 (used by the US National Security Agency).	Encryption complies with government and industry regulatory standards.

### Copying - MP 6503SP, MP 7503SP and MP 9003SP

Feature	Advantage	Benefit
Scan once, copy many	Copies are produced from memory.	Each copy is identical to the first.
Electronic sorting	Copies and prints are delivered in page order.	Saves time as sets are collated ready for distribution.
Digital zoom	25 to 400% zoom with 1% steps plus 13 preset enlargement / reduction ratios	One-step enlargement / reduction between A4 and A3 formats, saves time.
ID card copy	Automatically copies both sides of an ID card onto one side of a sheet of paper.	Saves time and paper. Will prove useful to organisations needing to copy credit cards and passports.
Combine copy	Scan two or four originals and print them as tiled copies on one sheet of paper.	Reduce print and paper costs.

### Fax - MP 6503SP, MP 7503SP and MP 9003SP (option)

Feature	Advantage	Benefit
Fax functionality	Fully featured plain paper fax machine.	Eliminates the need for a separate standalone fax machine, saving money and space.
Fast transmission	An A4 fax message can be scanned in 2.5 seconds and transmitted in 2 seconds.	Fast transmission saves the user time and reduces line charges.
Book fax	Bound documents, such as brochures and reports, can be faxed directly from the platen glass.	Saves time as there's no need to breakdown bound documents for faxing.
Quick dial	There is the facility to save 2,000 quick dial numbers.	Speeds communication with regular contacts.
Remote fax (option)	Allows the new MFPs to send faxes via another fax enabled Ricoh MFP.	Reduces configuration cost and enables multiple MFPs to share a single fax line.

### Security - MP 6503SP, MP 7503SP and MP 9003SP

Feature	Advantage	Benefit
NFC Card Reader (option)	An optional NFC (near field communication) card reader can be installed inside the top panel of the MFP. The reader supports ID card authentication.	Protects security by requiring ID card based authentication.
Data Overwrite Security	Overwrites temporary data held on the hard drive up to nine times with random data.	Protects security by ensuring that temporary data cannot be recovered.
HDD Encryption	Encrypts the address book, authentication information and stored documents.	Protects security by encrypting documents.
FIPS certified HDD (option)	The standard hard drive can be replaced with an optional HDD that is certified to meet the Federal Information Processing Standards (FIPS). These are U.S. government computer security standards that specify requirements for cryptography modules.	Suitable for use in secure environments such as by government agencies and in industries that are subject to strict security compliance.
Quota scheduling	The administrator can limit the output of individual users and user groups by setting page count limits. This feature now allows quotas to be shared across multiple Ricoh devices.	Establishes governance over the print environment and reduces print volume.
Banner page print	A job sheet can be printed before a print job that identifies the originator.	Makes it easier to identify work in a busy environment.
Mandatory hold print	When mandatory hold print is activated by the administrator, print output is held in the document server until released at the printer by the originator.	Protects confidentiality and reduces waste.
Mandatory security information	Automatically append security information such as the user ID, date, time, IP address and printer serial number to every document printed.	Improves document security by establishing a printed audit trail.
Fax output timer (requires fax option)	The administrator can set a time schedule for fax output. Fax messages are held in memory and printed at the predetermined time.	Reduces the risk of fax messages being read by unauthorised personnel or inadvertently picked up along with other documents.

### Environment - MP 6503SP, MP 7503SP and MP 9003SP

Feature	Advantage	Benefit
Power on/off timer	The power on/off timer switches the machine on and off at specified times.	Ensures the machine is ready for use and saves energy by switching the machine off when it is not required.
Sleep mode	In energy saving sleep mode, the new devices consume 1.1 W.	Reduces energy consumption.
Eco-information screen	A pop-up, visible at the control panel, reports green metrics, such as the number of double sided prints.	Encourages sustainable print behaviour.
Energy Star v2 and BAM	The new MFPs are compliant with the latest environmental standards, including Energy Star v2 and Blue Angel Mark.	Don't just take Ricoh's word for it; third party certification proves that these devices are eco-friendly.

## 9. Specifications

General Specifications - MP 6503SP, MP 7503SP and MP 9003SP		
First output speed	B/W	3.2/3.2/2.9 seconds
Continuous output speed	A4	65/75/90 pages per minute
	A4 duplex	65/75/90 pages per minute
Memory	Standard	2 GB
HDD	Standard	320 BG
Reproduction ratio	400%, 200%, 141%, 122%, 115%, 100%, 93%, 87%, 82%, 71%, 61%, 50%, 25%	
Zoom	From 25% to 400% in 1% step	
Dimensions (W x D x H)	690 x 803 x 1,161 mm	
Weight	200 kg	

Copier Specifications - MP 6503SP, MP 7503SP and MP 9003SP			
Multiple copying	Up to 999 copies		
Resolution	600 dpi		
Enhanced features	Copy mode	Default = Text, Drawing, Text, Photo, Generation, Auto Text & Photo Separation, Pale	
	Paper selection	Default = Auto Paper Selection (APS), 1st tray, 2nd tray, 3rd tray, LCT, bypass tray	
	Auto tray switch		
	Duplex	1 sided to 2 sided, 2 sided to 2 sided (with ARDF), Book to 2 sided, Front and Back to 2 sided	
	Book	Booklet, Magazine, Layout & Booklet	
	Series	Book to simplex, Book to duplex, Front & back to 2 sided, 2 sided original to simplex	
	Combine	2 into 1 simplex, 4 into 1 simplex, 8 into 1 simplex, 1 duplex into 1 simplex, 2 duplex into 1 simplex, 4 duplex into 1 simplex, 4 into 1 duplex, 8 into 1 duplex, 16 into 1 duplex, 2 duplex into 1 duplex, 4 duplex into 1 duplex, 8 duplex into 1 duplex	
	Shift/erase/margin adjustment	Centering	
		Margin adjustment	1 mm step (0-30 mm), Default = Front Page: 5 mm left, Back Page: 5 mm right
		Erase center	1 mm step (2-99 mm), Default = 50 mm
		Erase border	1 mm step 2-99 mm), Default = 50 mm
	Scan Position Adjustment		
	Cover sheet/chapter/slip sheets	Front cover	Copy or Blank
		Front & back cover	Copy or Blank
		Chapter	Up to 100 chapters
		Slip sheets	
Image rotation			
Electronic sort	Without shift sort, Rotate sort, Shift sort		



	Electronic stack	
	Stapling	
Image creation	Repeat, Double copy, Positive/negative, Erase Inside, Erase Outside	
Stamp/numbering	Preset stamp	8 stamps
	User stamp	4 stamps
	Date stamp	5 stamps
	Page number	6 styles
	Bates Numbering	9 digits
	Printing copy prevention pattern	
Sharp/soft	7 levels	
Contrast	9 levels	
Background density adjustment	9 levels	
Job programs	Standard 25 jobs	
User code	8 digits / 1,000 user code	
Interrupt copy		
Auto start		
Job preset	8 jobs	
Sample copy		
Simplified display		
Login/logout button		
SMC report print out (logging data)		
Document server		
Auto off timer		
Energy saver timer		
Copier/document server auto reset timer		
System reset timer		
Java version		
MFP browser		

### Printer Specifications - MP 6503SP, MP 7503SP and MP 9003SP

Printer language	Standard	PCL5e, PCL6, PDF Direct Print
	Option	Adobe® PostScript® 3™, IPDS
Print resolution	Maximum	1,200 x 1,200 dpi
Interface	Standard	SD slot, USB Host I/F, Ethernet 10 base-T/100 base-TX, Ethernet 10 base-T/100 base-TX, Bluetooth, Ethernet 1000 Base-T
	Option	Bi-directional IEEE 1284, Wireless LAN (IEEE 802.11a/b/g/n)
Windows® environments	Windows® Vista	
	Windows 7	
	Windows 8	
	Windows 8.1	

	Windows® Server 2003
	Windows® Server 2008
	Windows® Server 2012
Mac OS environments	Macintosh OS X v10.2 or later
Printer driver features	Send to document server
	Sample print
	Locked print
	Hold print
	Stored print
	Store and print
	Reduce/enlarge(zoom/scaling)
	Fit to paper size
	Layout (N-up, page per sheet)
	Duplex
	Booklet2 (magazine)
	Watermark
	Collate
	Punch
	Staple
	Banner Page Print (Job Sheet Print)
	Rotate by 180 degrees
	Toner saving
	User ID
	User code
	Edge to edge print
	PDF direct print
	Mail to print
	Classification code
	Bonjour (Rendezvous) support
	Windows® Active Directory support
	DDNS support
	WS printer
	Wireless LAN interface option
	Media Direct Print (print from USB)
Media Direct Print (print from SD)	
Auto Job Promotion	
AirPrint	
Poster Print	
WPS (WiFi Protected Set-up) support	

## Scanner Specifications - MP 6503SP, MP 7503SP and MP 9003SP

Scanning speed	Maximum 120 originals per minute		
Resolution	Standard	100/200/300/400/600 dpi	
	Default	200 dpi	
Scanning area	Main scan	297 mm	
	Sub scan	432 mm	
Network interface	Ethernet 10 base-T/100 base-TX, Wireless LAN (IEEE 802.11a/g), USB2.0, SD card, Wireless LAN (IEEE 802.11a/b/g), Gigabit Ethernet (1000 baseT), Wireless LAN (IEEE 802.11a/b/g/n)		
Scan mode	B/W, Greyscale, B/W text/line art; B/W text, B/W text/photo, B/W photo, B/W grayscale, Full colour, Full colour photo, Full colour text, Full colour text/photo, Full colour glossy photo		
Image density	Auto Density Selection		
	Manual: 9 levels		
File format	Single page TIFF, Single page JPEG, Single page PDF, Single page High Compression PDF, Single page PDF-A, Multi page TIFF, Multi page PDF, Multi page High compression PDF, Multi page PDF-A		
Network TWAIN Driver	OS	Windows® Vista	
		Windows 7	
		Windows 8	
		Windows 8.1	
		Windows® Server 2003	
		Windows® Server 2008	
		Windows® Server 2012	
	Resolution	Colour	100 - 600 dpi
		B/W	100 - 1,200 dpi
	Scan mode	Standard, Photo, OCR, Filing	
Image adjustment	Brightness, Contrast, Threshold, Gamma adjustment, Halftone pattern		
Endorse	Supported		
Scanner features	Scan to USB/SD		
	WS-Scanner		
	Scanned file naming	Reference # setting	
	Scan file type selection	Single TIFF, Single JPEG (greyscale), Single PDF, Single High Compression PDF, Multi Page TIFF/PDF, Multi Page High Compression PDF	
	LDAP Support	E-mail address search	
		Fax address search	
	Preview before transmission (TX preview)		
	PDF encryption		
	Drop out colour send		
	Twain Scan		
	Distributed Scan Management (DSM)		
	Scan to	E-mail	
Folder			

## Fax Specifications - MP 6503SP, MP 7503SP and MP 9003SP

Circuit	PSTN			
	PBX			
Compatibility	ITU-T (CCITT) G3			
Resolution	Standard	8 x 3.85 line/mm, 200 x 100 dpi		
		8 x 7.7 line/mm, 200 x 200 dpi		
	Option	8 x 15.4 line/mm, 400 x 400 dpi		
		16 x 15.4 line/mm, 400 x 400 dpi		
Compression method	MH, MR, MMR, JBIG			
Transmission speed	G3	2 second(s) (200 x 100 dpi, JBIG)		
		3 second(s) (200 x 100 dpi, MMR)		
Modem speed	Maximum	33.6 Kbps		
Scanning speed	64 images per minute			
Memory backup	1 hour			
SAF memory size	Standard	4 MB		
		320 sheets		
	With additional memory	60 MB		
Internet Fax	Requirement of mainframe	G3 fax option required		
	Number of address	2,000 addresses		
	Email address input	From LCD operation panel		
		Web Image Monitor		
		Smart Device Monitor for Admin		
	Destination combination	Internet Fax + G3 Fax		
		Internet Fax to PC + G3 Fax		
	Network	LAN	Ethernet/10Base-T, Ethernet/100Base-T, Ethernet/1000Base-T, IEEE 802.11a/b/g/n (Wireless LAN)	
	Transmit function	E-mail		
	Scan line density	Standard character	200 x 100 dpi	
		Detail character	200 x 200 dpi	
		Fine character	200 x 400 dpi	
		Super fine character	400 x 400 dpi	
	(Maximum) original size	A3		
	Communication protocol	Transmission	SMTP, TCP/IP	
		Reception	POP3, SMTP, IMAP4, TCP/IP	
IPv6 Support				
Email format	Single/multi-part, MIME Conversion, Attached file forms: TIFF-F (MH, MR, MMR compression)			
Authentication method	SMTP-AUTH, POP before SMTP, A-POP			

	Internet communication	Send and receive e-mail with a computer that has an e-mail address	
	E-mail send functions	Automatic conversion of sent documents to e-mail format and e-mail transmission. Memory transmission only.	
	E-mail receive functions	Automatic detection and printing of appended TIFF-F(MH) files and ASCII text. Memory reception only.	
LAN Fax	Paper size	A3, DLT, B4, A4, Letter, Legal, B5, A5	
	Resolution	Super fine	400 x 400 dpi
		Detail	200 x 200 dpi
		Standard	200 x 100 dpi
	Number of addresses	2,000 addresses	
	OS	Windows® XP	
		Windows® Vista	
		Windows® 7	
		Windows® 8	
		Windows® Server 2003	
Windows® Server 2003R2			
Windows® Server 2008			
Windows® Server 2008R2			
LAN-fax editor support language	English, German, French, Italian, Spanish, Dutch, Swedish, Norwegian, Danish, Finnish, Hungarian, Czech, Polish, Portuguese, Russian, Korean, Traditional Chinese, Simplified Chinese, Catalan, Turkish, Brazilian Portuguese, Greek		
IP Fax	Network	Ethernet/10Base-T, Ethernet/100Base-T, Ethernet/1000Base-T, IEEE 802.11a/b/g/n (Wireless LAN)	
	Scan Line Density	Standard character	200 dpi x 100 dpi
		Detail character	200 dpi x 200 dpi
		Fine character	200 dpi x 400 dpi
		Super Fine character	400 dpi x 400 dpi
	Maximum scanning size	Standard	297 mm x 432 mm
		Irregular	297 mm x 1,200 mm
	Transmission protocol	Recommended: T.38, TCP, UDP/IP communication, SIP(RFC 3261 compliant), H.323 v2	
	IPv6 support		
	Compatible machines	IP-Fax compatible machines	
	IP-fax transmission function	Specify an IP address and send faxes to an IP-Fax compatible fax through a network. Also capable of sending faxes from a G3 fax connected to a telephone line via a VoIP gateway.	
	IP-fax reception function	Receive faxes sent from an IP-Fax compatible fax through a network. Also capable of receiving faxes from a G3 fax connected to a telephone line via a VoIP gateway	
	Original size	Maximum	A3, DLT



Fax features	Smoothing		
	TTI/RTI		
	CSI		
	Quick dial	2,000 numbers	
	Speed dial	2,000 numbers	
	Group dial	100 groups	
	Program	100 numbers	
	Redial		
	Direct fax number entry		
	Dual access		
	User code	1,000 codes, 8 digits	
	Page counter		
	Auto reduction		
	Wild cards		
	Summer time		
	Memory Lock ID Code		
	SID code (sender ID)		
	User function key		
	Night timer		
	Energy saver		
	LCD prompt		
	Remaining memory indication		
	Clock adjustment		
	User parameter settings		
	Remote Fax	Optional	
	Immediate transmission		
	Parallel memory transmission		
	Memory transmission		
	Serial broadcasting		
	Send later		
	Error correction mode		
	Page retransmission		
	Forwarding		
Image rotation			
Book fax			
Closed network transmission			
Double sided transmission			
Automatic reception			
Manual reception			

	Substitute reception
	Authorized reception
	Multi copy
	Closed network
	Reception time printing
	Center mark
	Checkered mark
	Monitor speaker
	On hook dial
	Tone transmission
	Pause
	Pulse/tone selection
	Reception mode selection
	Auto answer delay time
	Busy tone detection
	Fax line assignment
	2 in 1 Reception

#### Paper Specifications - MP 6503SP, MP 7503SP and MP 9003SP

Recommended paper size	Standard paper tray(s)	A3, A4, A5
	Bypass tray	A3, A4, A5, A6
Paper input capacity	Standard	4,300 sheets
	Maximum	8,300 sheets
Paper output capacity	Standard	500 sheets
	Maximum	3,500 sheets
Paper weight	Paper tray(s)	52 - 256 g/m <sup>2</sup>
	LCT	52 - 128 g/m <sup>2</sup>
	Bypass tray	52 - 300 g/m <sup>2</sup>
	Duplex	64 - 256 g/m <sup>2</sup>
	ADF	52 - 128 g/m <sup>2</sup>

#### Security Specifications - MP 6503SP, MP 7503SP and MP 9003SP

Network user authentication		
IP address filtering		
HDD Data Overwrite Security (with optional HDD)		
HDD encryption (with optional HDD)		
Authentication	Windows® authentication	
	LDAP authentication	Kerberos

	Basic authentication
	User code authentication
	802.1.x wired authentication
Encryption	Address book encryption
	Authentication password encryption
	SSL communication
	S/MIME
	IPsec communication
	HDD encryption
	Type A
	Locked print password encryption
	SNMPv3 (SDM)
	Address book encryption
	PDF password encryption
	Authentication password encryption
	WPA2 (Wireless LAN)
IP Sec	
Secure Sockets Layer (SSL)	
SNMPv3	
IPv6	
Transport layer security	
Removable HDD	
Copy Guard Security	
Digitally signed PDF	
Copy Data Security Unit option	
Unauthorised copy prevention (print)	
Unauthorised copy prevention (copy)	
SMTP over SSL	
NIB access control	IP range restriction
	IP port restriction
	Protocol restriction
MFP menu protection	
Protect stored documents (DS)	

### Environmental Specifications - MP 6503SP, MP 7503SP and MP 9003SP

Power consumption	Maximum	1,900 W
	Full option maximum power	1,800/1,800/1,900 W
	Ready mode	400 W
	Low power mode	10/10/30 W
	Sleep mode	1.1/1.1/1.1 W
	TEC (Typical Electricity Consumption)	4.9/5.4/12.6 kWh
Material emission level (emission rate)	Ozone (Print)	Operation: 1.5 mg/h
	Dust (Print)	Operation: 4 mg/h
	Styrene (Print)	Operation: 1 mg/h
	TVOC (Print)	Operation: 10 mg/h
	TVOC (Ready)	Operation: 2 mg/h
	Benzene (Print)	Operation: 0.05 mg/h
Environmental labels/ENERGY STAR certification	BAM	
	ENERGY STAR version 1.1	
	ENERGY STAR version 2.0	
Storage conditions	Temperature	-30°C - 40°C
	Humidity	Less than 80%
	Storage period	Maximum 18 months
	Maximum stack	3 cartons
Transportation conditions	Temperature	-30 - 50°C
	Humidity	Less than 95%
	Maximum stack	1 cartons

### Consumable Specifications - MP 6503SP, MP 7503SP and MP 9003SP

Toner capacity	Black	43,000 prints
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## 10. Service and Supplies

The new MFPs should be maintained by trained service engineers. Like other Ricoh MFPs, service is likely to be offered on a toner inclusive Pay per Page (PpP) basis.

PpP servicing offers the following customer advantages:

- Transparent pricing
- Includes toner and servicing
- Pre-agreed page cost
- Metered pay as you go billing

MP 6503SP, MP 7503SP and MP 9003SP have similar running costs to their predecessors, MP 6002, MP 7502 and MP 9002. Although the running costs are similar, sales people should refer to their service or sales management for actual service pricing.

The new machines are expected to be even more reliable than their predecessors. With target MCBCs (mean copies between calls) of 120,000 pages, they have a 25% wider service interval than MP 6002, MP 7502 and MP 9002. Customers producing 29,000 pages a month (the average monthly volume of MP 7503SP) might expect to need a service visit just once every five months.

Using @Remote, the devices can be monitored in real-time enabling Ricoh's service operation to identify issues before they become apparent to users and deliver consumable items such as toner in advance of need.

Consumable yields and service parameters are provided below:

Service and Supplies Specifications - MP 6503SP, MP 7503SP and MP 9003SP				
		MP 6503SP	MP 7503SP	MP 9003SP
Document Volume	Average Monthly Volume	20,000 pages	29,000 pages	36,000 pages
	Maximum Monthly Volume		150,000 pages	
	Duty Cycle		300,000 pages	
Consumable Yield	Black Toner		43,000 pages	
	Developer		350,000 pages	
	Photoconductor		1.2 million pages	
Maintenance Cycle	PM Cycle		300,000 pages	
	MCBC		120,000 pages	
Service Life	Target Life (Mainframe)	9 million pages or five years, whichever comes first		
	Target Life (SPDF)	2 million pages or five years, whichever comes first		